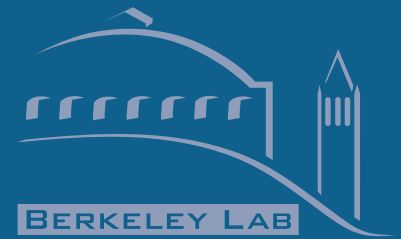


LBL BOOTH TALKS

HIGHLIGHT LEADERSHIP



DATE/TIME

TALKS

Tuesday, November 15

10:45 a.m. – 11:15 a.m.	Getting the Most out of HPC Networks Using One-Sided Communication <i>Professor Kathy Yelick, Future Technologies Group, LBNL</i>
11:15 a.m. – 11:45 a.m.	Large-Scale Performance Analyses Using the NERSC Application Benchmark Suite <i>Dr. Lenny Oliker, Future Technologies Group, LBNL</i>
11:45 a.m. – 12:15 p.m.	Architecture Characterization Using APEX-MAP <i>Dr. Erich Strohmaier, Future Technologies Group, LBNL</i>
1:00 p.m. – 1:20 p.m.	What's New at NERSC and Berkeley Lab <i>Dr. Horst Simon, Associate Lab Director, Computing Sciences, LBNL</i>
1:20 p.m. – 1:30 p.m.	Introduction: Innovative and Novel Computational Impact on Theory and Experiment (INCITE) Talk Series <i>Dr. Horst Simon, Associate Lab Director, Computing Sciences, LBNL</i>
1:30 p.m. – 3:00 p.m.	Innovative and Novel Computational Impact on Theory and Experiment (INCITE) Talk Series: <ul style="list-style-type: none"> • Magneto-rotational Instability and Turbulent Angular Momentum Transport <i>Professor Fausto Cattaneo, Paul Fischer and Aleksandr Obabko, University of Chicago</i> • Direct Numerical Simulation of Turbulent Nonpremixed Combustion – Fundamental Insights towards Predictive Modeling <i>Drs. Evatt R. Hawkes & Jacqueline H. Chen, Sandia National Laboratories</i> • Dynameomics: Protein Mechanics, Folding and Unfolding through Large-Scale All-Atom Molecular Dynamics Simulations <i>Professor Valerie Daggett & David Beck, University of Washington</i>
3:00 p.m. – 3:30 p.m.	Core Collapse Supernovae: Trying to Explode Stars at NERSC <i>Professor Douglas Swesty & Dr. Eric Myra, Department of Physics and Astronomy, State University of New York at Stony Brook</i>
3:30 p.m. – 4:00 p.m.	Large-Scale Supercomputer Calculations for Nanostructures <i>Dr. Andrew Canning, Scientific Computing Group, LBNL</i>



DATE/TIME

TALKS

Wednesday, November 16

11:00 a.m. – 11:30 a.m.	Cyber Security for Distributed Science: Fortifying the Frontlines of the Cyber Security War <i>Dr. Deb Agarwal, Distributed Systems Department, LBNL</i>
11:30 a.m. – 12 noon	10 Gigabit Ethernet Testing in ESnet <i>Joe Metzger, ESnet, LBNL</i>
1:30 p.m. – 2:00 p.m.	LBNL will host the following talk by Louisiana State University researchers whose booth at SC05 was derailed by Hurricane Katrina: Real-Time Application Monitoring for Grid-Enabled and Legacy Applications <i>Ian Kelley, Cardiff University and the Center for Computation & Technology at LSU; Oliver Wehrens, Max Planck Institute for Gravitational Physics and the Center for Computation & Technology at LSU</i>
2:00 p.m. – 2:30 p.m.	Query-Driven Visualization <i>Wes Bethel, Visualization Group, LBNL</i>
2:30 p.m. – 3:00 p.m.	ACTS: An Infrastructure for Maintaining DOE Software <i>Drs. Osni Marques & Tony Drummond, Scientific Computing Group, LBNL</i>